RTX REVIEW 2/28/91 AGENDA ITEMS

- 1. MODULE STATUS
- 2. HEATER FIXTURE STATUS
- 3. ASSEMBLY FIXTURE STATUS
- 4. DOCUMENTATION PACKAGE
- 5. TOOLING & VENDOR RELEASE
- 6. PATENT & LICENSE POSITION UPDATE
- 7. POTENTIAL FUTURE DEVELOPMENT AGREEMENTS
- 8. CONCEPT & DESIGN IDEAS FOR FUTURE PHASES

Tens
both pins
battery covers
housing parts
Cu thickness flex curent
localdenys links
sleeve our responsibility

ED 2/20/81

RTX HEATER FIXTURE - DEVELOPMENT MILESTONES

CUSTOMER PURCHASE REVIEW & GO AHEAD		12/20 • 12/27 •
PIN HOUSINGS -	DRAWINGS TO TOOL MAKER TOOL READY FOR REVIEW FIRST PARTS OF TOOL (26) EVALUATION (1000) SETS OF PARTS (4000) SETS OF PARTS (5000) SETS OF PARTS	12/28 * 3/ 7 3/11 3/13 3/18 4/ 1 4/15
	DRAWING TO TOOL MAKER (1000) PARTS EVALUATION & TEST (5000) PARTS (5000) PARTS	1/11 · 2/25 · 2/27 — by 3/8 3/11 web disp center jot 66 3/18
CONDUCTOR PIN -	DRAWING RELEASE (200) SAMPLES EVALUATION & TEST (10000) PARTS	1/11 * 2/ 1 * 2/27 3/11
CARDB TUBE I -	DESIGN RELEASE (50) SAMPLES	1/15 · 1/22 ·
0 -	DESIGN RELEASE	1/18 •
	(200) SAMPLES DESIGN RELEASE (100) PARTS	2/20 — Caroled > (40) TBD TBD
ASSY FIXT. F -	DES/DRW RELEASE QUOTES REC ORDER REL (1) COMPLETE FIXT. (2)	1/23 • 2/11 • 2/11 • 3/ 8 3/25
ASSY FIXT R -	DES/DRW RELEASE QUOTES REC ORDER REL (1) COMPLETE FIXT. (2)	1/23 • 2/11 • 2/11 • 3/ 8 3/25
ASSY FIXT M -	DES/DRW RELEASE QUOTES REC ORDER REL (1) COMPLETE FIXT. (1) (1)	2/22 * 2/27 3/ 1 3/29 4/12
BUILD PLAN -		7/20
DELIVER (4000) SUBA	SSEMBLIES TO CUSTOMER SSEMBLIES TO CUSTOMER OF PARTS TO CUSTOMER	3/ 4 4/10 4/24 4/30

EB/JB 12/21,1/8,1/18,2/11,2/26

01111111

RTX PHASE 1 DOCUMENTATION

PHASE 1 PROTOTYPE MODULE

- 1. PARTS/MATERIAL LIST with PART NUMBERS
- 2. VENDOR LIST with ADDRESS & PHONE NUMBERS
- 3. SCHEMATIC , HEATER CONTROL CIRCUIT
- 4. SCHEMATIC , PRESSURE SWITCH CIRCUIT
- 5. DRAWINGS for CUSTOM DESIGNED PARTS LAYOUT , MODULE

HOUSING BOTTOM, CASE

HOUSING TOP, COVER

HOUSING DETAIL (3) HOUSING , REWORK

DOOR , BUTTON CELLS

BEZEL , LCD

FLEX CIRCUIT (4)

CONNECTOR , LOAD ELASTOMERIC , ZEBRA STRIP

LCD DISPLAY

6. SPECIFICATION for COMMERCIAL PARTS/MATERIALS

CRYSTAL , 4 MHz

FET DIE , TRANSISTOR REFERENCE

CHIP RESISTORS

CHIP CAPACITORS

FUSE , 5 AMP FAST

VOLTAGE DETECTOR

ADHESIVE SEALANT RTV T 95 , CAN/HSNG TOP

ADHESIVE SEALANT SYLG.577 , CAN/HSNG BASE FET DIE COATING , SIMICOSIL 900 T
7. PRESSURE SWITCH ASSEMBLY DRAWING & PARTS LIST Motorola could

PRT SENSOR SPECIFICATION for REFERENCE

ASSEMBLY & TEST FIXTURES

1. DRAWINGS / SKETCHES

FLEX CIRCUIT, CONNECTOR SOLDER FIXT. SK101790

LOAD SIMULATOR FIXT. CONNECTING PLUG

FLEX CIRCUIT ASSEMBLY TEST FIXT. (2)

ASSEMBLY TEST , PROBE FIXTURE SK 1019 SK0225

LOAD CONNECTOR, PIN INSERTION FIXT.

BATTERY CHARGER; alle to gurchased from Wotorola

1. SPEC./DESCRIPTION, MOTOROLA P 100 MODEL NTN 5540

2. SCHEMATIC , MODIFIED CIRCUIT for 14 HOUR RECHARGE

3. DRAWINGS for CUSTOM DESIGNED ADAPTOR & REWORK

PLASTIC ADAPTOR (2) MHC 1519 & 1519

REWORK DRAWING (2) MHC 1517 & 2916

15 min diarger

only one fred

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5. TOOLING & VENDOR RELEASE

MODULE HOUSING TOP

HOUSING BOTTOM

HOUSING BATTERY COVER

CONNECTOR HOUSING

FLEX CIRCUIT

SENSOR SUBSTRATE

Motorola

LCD

LCD FRAME

HEATER CONTACT HOUSING

DISK CONTACT

CONDUCTOR PIN

ASSEMBLY FIXTURES F.R.M.

Look detection: joint development?

2012600

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7. POTENTIAL FUTURE DEVELOPMENT ACTIVITIES

CUSTOM BATTERY PACK LO GENELOPMENT & CUSTOM IC Renderin Lucas

CUSTOM FET

CUSTOM SENSOR

CUSTOM SENSOR ASSEMBLY

AEIG

2020126006

EB 2/25/91

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8. CONCEPT & DESIGN IDEAS FOR FUTURE PHASES

MODULE PACKAGING PHASE 2,3,4

SINGLE COMPONENT SUBSTRATE

SEALED HOUSING

CONNECTOR SCHEME

SINGLE BATTERY

CUSTOM IC

FET ARRANGEMENT

CUSTOM FET ARRAY

DUAL/SINGLE FET

HEATER PACKAGING FOR MANUFACTURABILITY

CURRENT REDUCTION

RESISTOR PRINTING

PAPER BASE

CERAMIC STRUCTURE

METALLIZED CONTACTS

CONNECTOR SCHEME

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